

### DETAILED ACTION

1. The amendment filed 12/21/09 have been entered and made of record.
2. Claims 1-21, 24, 28-59, and 63 are pending.

### EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Jonathan Owens on January 11, 2010.

4. The application has been amended as follows:

#### IN THE CLAIMS

Claim 24, lines 1-5, "A memory device comprising a computer readable medium storing a computer program having computer executable instructions, which is loaded on to a data processor and causes the data processor to perform a method for communicating internet packet data with a mobile communications user equipment, the internet packet data carrying payload data including a plurality of different data types, comprising:" should be replaced by -- A memory device storing a computer program having

computer executable instructions, which is loaded on to a data processor and causes the data processor to perform a method for communicating internet packet data with a mobile communications user equipment, the internet packet data carrying payload data including a plurality of different data types, comprising: ---.

Claim 59, lines 1-5, "A memory device comprising a computer readable medium storing a computer program having computer executable instructions, which is loaded on to a data processor and causes the data processor to perform a method for communicating internet packet data with a mobile communications user equipment, the internet packet data carrying payload data including a plurality of different data types, comprising:" should be replaced by -- A memory device storing a computer program having computer executable instructions, which is loaded on to a data processor and causes the data processor to perform a method for communicating internet packet data with a mobile communications user equipment, the internet packet data carrying payload data including a plurality of different data types, comprising:---.

Claim 63, lines 1-5, "A memory device comprising a computer readable medium storing a computer program having computer executable instructions, which is loaded on to a data processor and causes the data processor to perform a method for communicating internet packet data with a mobile communications user equipment, the internet packet data carrying payload data including a plurality of different data types, comprising:" should be replaced by

--- A memory device storing a computer program having computer executable instructions, which is loaded on to a data processor and causes the data processor to perform a method for communicating internet packet data with a mobile communications user equipment, the internet packet data carrying payload data including a plurality of different data types, comprising: ---;

Further with regards to claims 24, 59, 63, Examiner has reviewed and interpreted "a memory device" to be strictly one of the forms of a computer readable medium disclosed by Applicants Specification (Amendments to the Specification, page 2, filed DEC 16, 2008).

Also the claims 24, 59, 63 was reviewed by QAS (Chau Nguyen TC 2400), QAS (Beatriz Prieto TC 2400) and concurred that there are no 101 issues related to claims 24, 59, 63.

***Allowable Subject Matter***

5. Claims 1-21, 24, 28-58, 59, 63 are allowed.
6. The following is a statement of reasons for the indication of allowable subject matter: Claim 1 is allowed. Krishmarajah et al. (Pub. No. 2003/0081592 A1) discloses a gateway support node (figure 7, GGSN) operable to provide an interface for communicating the data packets (figure 7, Internet) between the mobile communications\_user equipment (User Equipment) and the a packet data

telecommunications network, (figure 7, internet )

a service support node (figure 7, SGSN) operable to communicate the data packets between the gateway support node (GGSN) and the mobile communications user equipment using a radio network controller (Radio Access network (RAN)) , the radio network controller being operable to provide a radio access bearer for communicating the data packets with the mobile communications\_user equipment (figure 7, User equipment "UE"),

wherein at least one of the gateway support node and the mobile\_communications user equipment are operable to parse the payload data in each data packet to determine a number of the plurality of different data types (figure 12);

to form a transport frame (figure 12, AMR frame) for each data packet by combining the payload data for each data packet with the sub-flow indicator ([0054] subflow) , the transport frame being used to communicate each data packet between the gateway (figure 7, GGSN) support node and the radio network controller (figure 7, RCN 104) via the service support node (figure 7, SSGN) , and the data packets are communicated between the radio network controller (figure 7, RCN 104).

Lee (Pub. No.: US 2003/0021256 A1) discloses a gateway support node (figure 1, GGSN) operable to provide an interface for communicating the data packets (figure 1, Internet) between the mobile communications\_user equipment (User Equipment) and the a packet data telecommunications network, (figure 1, internet )  
a service support node (figure 1, SGSN) operable to communicate the data packets between the gateway support node (GGSN) and the mobile communications user

equipment using a radio network controller (Radio Access network (RAN)) , the radio network controller being operable to provide a radio access bearer for communicating the data packets with the mobile communications\_user equipment (figure 7, User equipment "UE" 100)

The prior art however fails to disclose wherein at least one of the gateway support node and the mobile\_communications user equipment are operable to parse the payload data in each data packet to determine a number of data symbols in each of the different data types, to generate a radio access bearer sub-flow indicator providing an indication of the number of different types of data in the payload and the number of symbols in each different data type, and the mobile\_communications user equipment by detecting the sub-flow indicator , and in accordance with the sub-flow indicator arranging for the data from each of the different data fields to be communicated via a different radio access bearer providing different quality of service parameters appropriate for the different data type

Claim 8 is allowed. . Krishmarajah et al. '592' discloses providing an interface for communicating the data packets between the mobile communications\_user equipment (figure 7, User Equipment (UE) 102) and a packet data telecommunications network (figure 7, Internet), communicating the data packets between the interface and the mobile communications user equipment (figure 7, UE 102) using a radio network

controller (figure 7, Radio Access Network (RAN) 104) , the radio network controller (Figure 7, Radio Access Network (RAN) 104) being operable to provide radio access bearers for communicating the data packets to and/or from the mobile communications user equipment (figure 7, UE 102) , wherein the communicating the data packets between the interface and the mobile communications\_user equipment comprises parsing the payload data in each data packet to determine a number of the plurality of different types of data (figure 12), forming a transport frame for each data packet by combining the payload data for each data packet with the sub-flow indicator ([0054] subflows) , the transport frame being used to communicate each data packet between the interface and the radio network controller (figure 7, RCN 104) .

Lee (Pub. No.: US 2003/0021256 A1) discloses a gateway support node (figure 1, GGSN) operable to provide an interface for communicating the data packets (figure 1, Internet) between the mobile communications\_user equipment (User Equipment) and the a packet data telecommunications network, (figure 1, internet ) a service support node (figure 1, SGSN) operable to communicate the data packets between the gateway support node (GGSN) and the mobile communications user equipment using a radio network controller (Radio Access network (RAN)) , the radio network controller being operable to provide a radio access bearer for communicating the data packets with the mobile communications\_user equipment (figure 7, User equipment "UE" 100)

The prior art however fails to disclose parsing the payload data in each data packet to determine a number of the plurality of different types of data and a number of data symbols in each of the different data types, generating a radio access bearer sub-flow indicator providing an indication of the number of different types of data in the payload and the number of symbols in each different data type, forming a transport frame for each data packet by combining the payload data for each data packet with the sub-flow indicator, the transport frame being used to communicate each data packet between the interface and the radio network controller, and communicating the data packets between the mobile communications user equipment and the radio network controller by detecting the sub-flow indicator, and in accordance with the sub-flow indicator arranging for the data from each of the different data fields to be communicated via a different radio access bearer providing different quality of service parameters appropriate for the different data type;

Claim 14 is allowed. Krishmarajah et al. '592' discloses data packet processing layer (figure 12, data divider 32) , and a user data tunnelling layer operable to provide a virtual channel for communicating the processed data packets via an internet protocol communications layer (figure 12, IP layer processor 36), wherein the data packet processing layer is operable to parse the payload data in each data packet to determine a number of the plurality of different data types (figure 12) to form a transport frame for each data packet by combining the payload data for each data packet with the sub-flow indicator ([0054] subflows) , the transport frame being used to communicate each

processed data packet between the gateway support node (figure 7, GGSN) and a radio network controller (figure 7, SGSN ) via a 16 service support node (figure 7, SGSN) using the user data tunnelling layer

The prior art however fails to disclose parsing the payload data in each data packet to determine a number of data symbols in each of the different data types, generating a radio access bearer sub-flow indicator providing an indication of the number of different types of data in the payload and the number of symbols in each different data type;

Claim 24 is allowed. The prior art fails to disclose parsing the payload data in each data packet to determine a number of the plurality of different types of data and a number of data symbols in each of the different data types; generating a radio access bearer sub-flow indicator providing an indication of the number of different types of data in the payload and the number of symbols in each different data type.

Claim 59 is allowed. The prior art fails to disclose parsing the payload data in each data packet to determine a number of the plurality of different types of data and a number of data symbols in each of the different data types, generating a radio access bearer sub-flow indicator providing an indication of the number of different types of data in the payload and the number of symbols in each different data type.



Claim 63 is allowed. The prior art fails to disclose parsing the payload data in each data packet to determine a number of the plurality of different types of data and a number of data symbols in each of the different data types, wherein the payload data of the internet packet comprises a data frame formed from an adaptive multi- rate speech coded, the data frame providing the plurality of the different types of data, generating a radio access bearer sub-flow indicator providing an indication of the number of different types of data in the payload and the number of symbols in each different data type,

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T. HO whose telephone number is (571)272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sheikh Ayaz can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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